

Title (en)
REGENERATOR FOR GLASS MELTING FURNACES

Title (de)
REGENERATOR FÜR GLASSCHMELZWANNEN

Title (fr)
RÉGÉNÉRATEUR DE FOURS DE FUSION DE VERRE

Publication
EP 2899166 B1 20191120 (DE)

Application
EP 15150798 A 20150112

Priority
DE 102014000849 A 20140127

Abstract (en)
[origin: MX2015001208A] A regenerator for glass melting tanks for storing waste heat from combustion cycles and emitting the stored heat to oxidation gases supplied from the outside, having a gas-permeable chamber lattice in which the chamber lining is made of fire-resistant stones held together by lateral wall elements. A cover region is situated over the chamber lattice for the combustion gases entering into the chamber lattice and for the oxidation gases exiting from the chamber lattice, the chamber cover forming a flow duct together with a further cover segment, connected to the cover, limited by a downward-extending terminating wall that is connected to the burner throat and with the wall element. A segment of the lateral wall element between the flow duct running essentially vertically and the upper region of the chamber lattice is fashioned as an intermediate wall having a cooling duct system situated therein.

IPC 8 full level
C03B 5/237 (2006.01); **F23L 15/02** (2006.01); **F27B 3/26** (2006.01); **F27D 17/00** (2006.01); **F28D 17/02** (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP US)
C03B 5/237 (2013.01 - EP US); **C03B 5/2375** (2013.01 - US); **F23L 15/02** (2013.01 - EP US); **F28D 17/02** (2013.01 - EP US); **F28D 2021/0078** (2013.01 - EP US); **Y02E 20/34** (2013.01 - EP US); **Y02P 40/50** (2015.11 - EP US)

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DE 202014001242 U1 20140424; CN 104803581 A 20150729; DE 102014000849 B3 20150528; EP 2899166 A1 20150729; EP 2899166 B1 20191120; JP 2015145330 A 20150813; MX 2015001208 A 20150727; MX 353798 B 20180129; PL 2899166 T3 20200518; RU 2015102440 A 20160810; US 2015210581 A1 20150730; US 9815727 B2 20171114

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